

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|---|------------------|
| 1 | 946872 | ((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:35 |
| 2 | 3906515 | overflow with add-compare-select unit | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:35 |
| 3 | 2694051 | most significant bit\$1 or MSB\$2 or sign bit\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:37 |
| 4 | 1087323 | (overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:38 |
| 5 | 436615 | ((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:40 |
| 6 | 520727 | saturating logic | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:40 |
| 7 | 530665 | detect\$3 and (saturating condition with most significant bit or MSB) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:41 |
| 8 | 146718 | (saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:41 |
| 9 | 64384 | (((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:42 |
| 10 | 524928 | substitut\$3 and (predetermined maximum value with first path metric value) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:43 |
| 11 | 17208 | (((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:43 |

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|----|---------|--|---|------------------|
| 12 | 1360740 | compar\$3 and (first path metric value with predetermined maximum value with second path) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:44 |
| 13 | 14685 | (((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:44 |
| 14 | 1526012 | select\$3 and (minimum value) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:44 |
| 15 | 13893 | ((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:45 |
| 16 | 4836667 | second adder\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:45 |
| 17 | 13684 | ((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:46 |
| 18 | 132955 | multiplexer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:46 |
| 19 | 104020 | accumulator\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:46 |

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| 20 | 3696 | ((((((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1)) and multiplexer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:46 |
| 21 | 820 | accumulator\$1 and (((((((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1)) and multiplexer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:47 |
| 22 | 895790 | stor\$3 and (minimum value\$41 with subsequent path metric calculation\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:48 |
| 23 | 789 | (accumulator\$1 and (((((((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1)) and multiplexer\$1)) and (stor\$3 and (minimum value\$41 with subsequent path metric calculation\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:49 |
| 24 | 663661 | Viterbi trellis depth | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:50 |
| 25 | 353 | ((accumulator\$1 and (((((((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1)) and multiplexer\$1)) and (stor\$3 and (minimum value\$41 with subsequent path metric calculation\$1))) and (Viterbi trellis depth) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:52 |
| 26 | 2636 | 714/796.ccls. or 714/795.ccls. or 714/794.ccls. or 714/792.ccls. or 375/262.ccls. or 375/265.ccls. or 375/341.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:56 |

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| 27 | 8 | (((accumulator\$1 and ((((((((((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (((first adder\$1) and (add\$3 and (branch metric value with previous path metric value))) and (generat\$3 and first path metric value))) and ((overflow with add-compare-select unit) and (most significant bit\$1 or MSB\$2 or sign bit\$1))) and ((saturating logic) and (detect\$3 and (saturating condition with most significant bit or MSB)))) and (substitut\$3 and (predetermined maximum value with first path metric value))) and (compar\$3 and (first path metric value with predetermined maximum value with second path))) and (select\$3 and (minimum value))) and (second adder\$1)) and multiplexer\$1)) and (stor\$3 and (minimum value41 with subsequent path metric calculation\$1))) and (Viterbi trellis depth)) and (714/796.ccls. or 714/795.ccls. or 714/794.ccls. or 714/792.ccls. or 375/262.ccls. or 375/265.ccls. or 375/341.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/23 09:56 |
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